MN596942.1 Lycoperdon cf rimulatum (maybe Nigeria)
EU833664.1 Lycoperdon cf rimulatum (maybe AZ) (type WI)
DQ112566.1 Lycoperdon molle official Jeppson EU
DQ112565.1 Lycoperdon molle official Jeppson EU
MW554474.1 Lycoperdon cf rimulatum (maybe China)
EU833663.1 Lycoperdon cf pulcherrimum AZ (type PN)
OP178126.1 Handkea cf fumosa ID (ITS2)
Lycoperdon excipuliforme UNITE EUx9(+MX +IN) MW376689 (type EU)
SVMFA092 Lycoperdon excipuliformis Vict BC
DQ112592.1 Lycoperdon umbrinum sensu Jeppson EU (wrong)
DQ112593.1 Lycoperdon umbrinum sensu Jeppson EU (wrong actually fumosa)
DQ112591.1 Lycoperdon umbrinum sensu Jeppson EU (wrong)
EU833655.1 Handkea cf fumosa CA
OM337961 Handkea cf fumosa BC (type OR)
Lycoperdon echinatum UNITE EUxdozens DQ112578
SVMFA176 Lycoperdon nigrescens Vict BC
DQ112577.1 Lycoperdon nigrescens official Jeppson EU
MP3955651 Lycoperdon nigrescens (1/0 ITS1 0-2/0 ITS2) (combined)
Lycoperdon dermoxanthum iNat37380045 WA
DQ112579 Lycoperdon dermoxanthum official Jeppson EU
Lycoperdon dermoxanthum OR iNat18270850
MH718222.1 Lycoperdon dermoxanthum Victoria BC
Lycoperdon dermoxanthum iNat37379932 WA
MP3954217 Lycoperdon dermoxanthum WA
Lycoperdon dermoxanthum OR iNat18658098
Lycoperdon utriformis (was Handkea or Bovistella) UNITE EUx34 (+NA)
DQ112607.1 Lycoperdon utriformis official Jeppson EU
MK991842.1 Lycoperdon (as Calbovista subsculpta) OR JLF2875 (type CA)
JN572905.1 Lycoperdon muscorum official Jeppson EU
JN572904.1 Lycoperdon muscorum official Jeppson EU
Lycoperdon subumbrinum OR spring iNat24970904 (2-3/3-4)
Lycoperdon subumbrinum OR spring iNat24970945 (2-3/3-4)
JN572906.1 Lycoperdon subumbrinum official Jeppson EU
MP3955669 Lycoperdon subumbrinum WA
JN572907.1 Lycoperdon subumbrinum (official Jeppson type match) EU
Lycoperdon cf umbrinum EU KX686887
Lycoperdon cf umbrinum EU KX686888 (type EU) (4/0 KX686887)
JN572908 Lycoperdon subcretaceum official Jeppson EU
EU833658 Lycoperdon subcretaceum AZx2
PSMS439 Lycoperdon subcretaceum WA iNat130198014
MZ204009.1 Lycoperdon cf subincarnatum NY iNat 17303631 (type NY)
OM747603.1 Lycoperdon curtisii 2 (=pratense) INx3 (type NC+CT)
KY706164.1 Lycoperdon curtisii 2 (=pratense) ON
MH979288.1 Lycoperdon curtisii 2 (=pratense) WI (3 sensu CAx2 Jarvis no ITS published)
OM203514.1 Lycoperdon pratense OR iNat 37437365 (old)
Lycoperdon pratense OR iNat18357249
Lycoperdon pratense OR iNat37437079
AJ237625 L. (Vascellum) pratense EUx22 (+elsewhere) (lloydianum ITS distinct Jarvis type WA)
HQ235045.1 Vascellum curtisii 1 NC
HQ235048.1 Lycoperdon curtisii 1 NC
HQ235043.1 Vascellum curtisii 1 HI
Lycoperdon cf marginatum UNITE Spain (+NA) KX686827 (type EU)
KX686827.1 Lycoperdon marginatum EU (+ENA TX)
KX686828.1 Lycoperdon marginatum EU
Lycoperdon marginatum IN iNat91081365 (2-3 chunks differ from others)
OP643167.1 Lycoperdon sp. (as echinatum/curtisii/marginatum) INx11 iNat 129581393
Lycoperdon sp. (as perlatum) UNITE ENAx3 AY264919
MK991841.1 Lycoperdon cf sculptum (Calvatia) OR JLF2863 (type CA)
DQ112630.1 Lycoperdon perlatum Larsson Sweden (type EU)
Lycoperdon cf perlatum UNITE EUx1 KX686816 (3/1/1 Larsson EU)
MP 3955658 Lycoperdon cf perlatum WA
Lycoperdon perlatum UNITE Asiax19 KC505543 (2 long indels) (type EU)
iNat17474349 Lycoperdon cf perlatum OR
Lycoperdon perlatum UNITE MXx3 KR811094 (type EU)
SVMFA186 Lycoperdon cf perlatum Vict BC
MP 6598822 Lycoperdon perlatum OR (3/0/2 Larsson EU)
Lycoperdon cf perlatum OR iNat105732847
Lycoperdon
DQ112620.1 Bovista aestivalis UNITE EU(+NA) worldwidex20
OK172581.1 Bovista cf aestivalis Ukraine (short)
OR203577.1 Bovista aestivalis AZ MO 501930 (alleles 0/0/5 AZ 1/0/5 worldwide)
Bovista cf polymorpha/aestivalis EU (types EU)
OR203590.1 Bovista aestivalis AZ MO 502098
Apioperdon pyriforme UNITE EUx300
Apioperdon pyriforme WA iNat30263474 (+Mary UBCx2)
MP6598779 Apioperdon pyriforme (as molle) OR
MT908237.1 Disciseda cf candida WY
MT908235.1 Disciseda cf candida AZ
OP133419.1 Disciseda cf subterranea CO (type Dakotas) (ITS2)
Disciseda cf cervina Argentinax3 (type SA) MN338570
EU833654.1 Disciseda cf candida AZ
DQ112626.1 Disciseda cf candida EU (type EU or ENA Schweinitz)
MT908238.1 Disciseda cf candida WY
MT444004.1 Bovista cf pila OR Trappe (type WI)
MT303139.1 Bovista cf pila USA (type WI)
Bovista plumbea Victoria BC + UNITE EUx25 (type EU) UDB0778355
DQ112617.1 Bovista cf minor (type OH/NE)
Calvatia gigantea UNITE EUx34 (type EU) MK028897
Calvatia (Langermannia) gigantea UNITE EUx4 AJ617492
OP150229.1 Calvatia cf booniana CO (type OR) (ITS2)
MN704272.1 Calvatia (Langermannia) pachyderma EU (type AZ)
MT551944.1 Calvatia (Langermannia) pachyderma CA (type AZ)
Calvatia cyathiformis UNITE EU+WNAx27 HM240138
Calvatia cyathiformis OR 0/2/1 iNat60910424
iNat18659620 Calvatia cyathiformis OR (1/1+) MZ318319
Calvatia cf fragilis EUx2 AJ486962
Calvatia cf candida EU DQ112624 (type EU)
MT304636.1 Calvatia cf rugosa South Africa (type Cuba) (=newer rubroflava)
Calvatia cf candida Australia+India (type EU)
OM747609.1 Calvatia rubroflava IN SDR (type ENA =older rugosa) iNat143162729
ON059233.1 Calvatia rubroflava IN iNat 56981996 (+Argentina)
Calvatia
GQ981488.1 Abstoma cf purpureum CA (type of genus)
MT908239.1 Disciseda cf candida WY
MT378214.1 Mycenastrum corium AZ iNat42706912
MT108236.1 Mycenastrum corium EUx4 (type EU) (+Australia Russia etc)
Lycoperdaceae
KU518963.1 Tulostoma fimbriatum EPITYPE Swe
KC333075 T. fimbriatum var campestre (ITS2) LECTOTYPE NB (type NB+CA) (=var. fimbriatum)
Tulostoma cf fimbriatum Vanc BC Mary (4/0 ITS1) ON738515
Tulostoma PNW01 OR iNat147090035 (34 more reported)
LN877892.1 Tulostoma brumale EU+worldwidex43 (type EU)
Phellorinia cf herculeana EU (type EU type of genus is P. iniquinans South Africa) AF097754
Phellorinia cf herculeana EU (type EU) AF097753
AF097755.1 Chlamydopus cf meyenianus EU (type EU)
Phellorinia cf herculeana India/Sudanx7 (type EU) GQ249887
Battarrea phalloides UNITE EU 2 DQ184690 (=stevenii)
AF215653.1 Battarrea stevenii EU 4
Battarrea phalloides UNITE EU 1 AF215657
AF215651.1 Battarrea phalloides/stevenii EU 3
Battarrea phalloides PNW01 (5/2 3) OR iNat28631551
DQ184684.1 Battarrea PNW02 (cf stevenii 5) Israel
Battarrea PNW02 JoeA Seattle WA
Battarreaceae
MH854689 COPRINUS STERQUILINUS (OUTGROUP)
0.050